MATERIAL SAFETY DATA SHEET

1 Product and Company Identification

Product name:	**Biolog Redox Dye Mix B (100x)**
Product number:	74222
Manufacturer/Supplier:	Biolog Inc. 21124 Cabot Blvd. Hayward, CA 94545 Telephone: 1-510-785-2564
Information department:	Technical services.
Emergency information:	In case of a chemical emergency, spill, fire, exposure, or accident contact Biolog Inc. at 1-510-785-2564 or 1-800-284-4949

2 Composition/Information

Chemical characterization:	
Description:	Mixture of the substances listed below with nonhazardous additions.
Dangerous components:	Void

3 Hazards Identification

Hazard description:	This product contains no hazardous constituents, or the concentrations of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communications Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.
Classification system:	This classification was made based on information gathered from company and literature data.

NFPA ratings (scale 0-4)

Health = 0
Fire = 0
Reactivity = 0

4 First aid measures

General information	No special measures required.
After inhalation	Seek medical treatment in case of complaints.
After skin contact	Immediately wash with water and soap and rinse thoroughly.
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing	If symptoms persist consult doctor.
Information for doctor	Show this MSDS.

5 Fire fighting measures

Suitable extinguishing agents	CO_2, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective equipment	No special measures required.

6 Accidental release measures

Person-related safety precautions	None required.
Measures for environmental protection	Wipe up with damp sponge or mop.
Measures for cleaning/collecting	No special measures required.
Additional information	No dangerous substances are releases.

7 Handling and storage

Handling

Information on safe handling	No special measures required.
Information about protection against explosions and fires	No special measures required.

Storage

Requirements to be met by storerooms and receptacles	2- 8 °C in the dark
Information about storage in one common storage facility	No special measures required.

8 Exposure controls and personal protection

Components with limit values that require monitoring at the workplace

Contains no substances with occupational exposure limit values.

Personal protective equipment

General protective and hygienic measures	Use usual precautionary measures for handling chemicals.
Breathing equipment	None required.
Protection of hands	Chemical resistant gloves (i.e. nitrile, or equivalent)
Eye protection	Safety glasses
Body protection	Protective work clothing (lab coat)

9 Physical and chemical properties

General Information

Form	Liquid
Color	Blue
Odor	Not applicable
Specific gravity	Not determined
Density	Not determined
Evaporation rate	Not determined
Boiling point/ Freezing point	Not determined
Solubility in/ Miscibility with Water	Soluble

10 Stability and reactivity

Stability	Stable

Thermal decomposition/conditions to be avoided

No decomposition if used according to specifications.

Hazardous decompositions products

Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen chloride gas.

Hazardous polymerization	Will not occur.

11 Toxicological information

Acute toxicity

Primary irritant effect

On the skin	May cause irritation.
On the eye	May cause irritation.
Sensitization	No sensitizing effects known

Additional toxicological information

12 Ecological information

Ecological effects	Have not been thoroughly investigated, but currently none have been identified.

13 Disposal considerations

Product

Recommendation	Smaller quantities can be disposed of with solid waste. Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements. This product is not considered RCRA hazardous waste.

Uncleaned package

Recommendation	Disposal must be made according to state and federal regulations.
Recommended cleaning agent	Water, if necessary with cleaning agents.

14 Transportation information

DOT	Considered to be non-hazardous for transport.
IATA	Considered to be non-hazardous for air transport.

15 Regulatory information

United States regulatory information

SARA Listed	No

Canada regulatory information

WHMIS classification	Classified in accordance with the hazard criteria of the CPR, and the MSDS contains all information required by the CPR.
DSL	No
NDSL	No

California Proposition 65 – Chemicals known to cause cancer

None of the ingredients listed.

California Proposition 65 - Chemicals known to cause reproductive toxicity

None of the ingredients listed.

16 Other information

The information, data, and recommendations contained herein are believed to be accurate. Biolog, Inc. makes no warranty of any kind whatever with respect thereto and disclaims all liability from reliance thereon. We reserve the right to revise this MSDS periodically as new information becomes available.

MS74222 Dye Mix B
Date: 31 AUG 2011